

Refine Search

Search Results -

Terms	Documents
(L25 or L26 or L27) and L15	3

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

L28

Refine Search

Recall Text

Clear

Interrupt

Search History

DATE: Friday, May 04, 2007 [Purge Queries](#) [Printable Copy](#) [Create Case](#)

Set Name Query

side by side

Hit Count Set Name

result set

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR

<u>L28</u>	(L25 or L26 or L27) and L15	3	<u>L28</u>
<u>L27</u>	carolyn near jack	7	<u>L27</u>
<u>L26</u>	william near freebersyser	3	<u>L26</u>
<u>L25</u>	john near doleac	4	<u>L25</u>
<u>L24</u>	L18 and hash\$3	1	<u>L24</u>
<u>L23</u>	L20 and hash\$3	0	<u>L23</u>
<u>L22</u>	L20 and hash\$3	0	<u>L22</u>
<u>L21</u>	L20 and generat\$3	1	<u>L21</u>
<u>L20</u>	6230164.pn.	2	<u>L20</u>
<u>L19</u>	4599490.pn.	2	<u>L19</u>
<u>L18</u>	L17 and (switch with command with subset)	2	<u>L18</u>
<u>L17</u>	L16 and determin\$3	480	<u>L17</u>
<u>L16</u>	L15 and (equivalent or match\$ or correspond\$3)	560	<u>L16</u>
<u>L15</u>	((generat\$3 or construct\$3 or build\$3) near switch) with command\$1	901	<u>L15</u>

<u>L14</u>	generat\$3 with (switch near comand)	0	<u>L14</u>
<u>L13</u>	L12 and (generat\$3 with (switch near comand))	0	<u>L13</u>
<u>L12</u>	switch with command with subset	73	<u>L12</u>
<u>L11</u>	L10 and match\$	3	<u>L11</u>
<u>L10</u>	L9 and (second near system)	3	<u>L10</u>
<u>L9</u>	L8 and (generat\$3 near3 switch near2 command)	38	<u>L9</u>
<u>L8</u>	L7 not L3	46	<u>L8</u>
<u>L7</u>	L6 and telecommunicat\$4	49	<u>L7</u>
<u>L6</u>	L5 and ((switch near command) with generat\$3)	486	<u>L6</u>
<u>L5</u>	L4 and generat\$3	2422	<u>L5</u>
<u>L4</u>	"switch command"	3748	<u>L4</u>
<u>L3</u>	L1 and subset	17	<u>L3</u>
<u>L2</u>	L1 and ((generat\$3 or construct\$3 or build\$3) with command\$1)	16	<u>L2</u>
<u>L1</u>	(VERIZON near LABORATORIES) and (switch with command)	19	<u>L1</u>

END OF SEARCH HISTORY

Freeform Search

Database: US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Term:

Display: Documents in Display Format: Starting with Number

Generate: ☐ Hit List ☒ Hit Count ☐ Side by Side ☐ Image

Search

Clear

Interrupt

Search History

DATE: Friday, May 04, 2007 [Purge Queries](#) [Printable Copy](#) [Create Case](#)

Set Name Query
side by side

Hit Count Set Name
result set

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR

<u>L24</u>	L18 and hash\$3	1	<u>L24</u>
<u>L23</u>	L20 and hash\$3	0	<u>L23</u>
<u>L22</u>	L20 and hash\$3	0	<u>L22</u>
<u>L21</u>	L20 and generat\$3	1	<u>L21</u>
<u>L20</u>	6230164.pn.	2	<u>L20</u>
<u>L19</u>	4599490.pn.	2	<u>L19</u>
<u>L18</u>	L17 and (switch with command with subset)	2	<u>L18</u>
<u>L17</u>	L16 and determin\$3	480	<u>L17</u>
<u>L16</u>	L15 and (equivalent or match\$ or correspond\$3)	560	<u>L16</u>
<u>L15</u>	((generat\$3 or construct\$3 or build\$3) near switch) with command\$1	901	<u>L15</u>
<u>L14</u>	generat\$3 with (switch near comand)	0	<u>L14</u>
<u>L13</u>	L12 and (generat\$3 with (switch near comand))	0	<u>L13</u>
<u>L12</u>	switch with command with subset	73	<u>L12</u>
<u>L11</u>	L10 and match\$	3	<u>L11</u>
<u>L10</u>	L9 and (second near system)	3	<u>L10</u>
<u>L9</u>	L8 and (generat\$3 near3 switch near2 command)	38	<u>L9</u>

<u>L8</u>	L7 not L3	46	<u>L8</u>
<u>L7</u>	L6 and telecommunicat\$4	49	<u>L7</u>
<u>L6</u>	L5 and ((switch near command) with generat\$3)	486	<u>L6</u>
<u>L5</u>	L4 and generat\$3	2422	<u>L5</u>
<u>L4</u>	"switch command"	3748	<u>L4</u>
<u>L3</u>	L1 and subset	17	<u>L3</u>
<u>L2</u>	L1 and ((generat\$3 or construct\$3 or build\$3) with command\$1)	16	<u>L2</u>
<u>L1</u>	(VERIZON near LABORATORIES) and (switch with command)	19	<u>L1</u>

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L10 and match\$	3

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

L11

Refine Search

Recall Text

Clear

Interrupt

Search History

DATE: Friday, May 04, 2007 [Purge Queries](#) [Printable Copy](#) [Create Case](#)

Set Name Query

side by side

Hit Count Set Name

result set

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR

<u>L11</u>	L10 and match\$	3	<u>L11</u>
<u>L10</u>	L9 and (second near system)	3	<u>L10</u>
<u>L9</u>	L8 and (generat\$3 near3 switch near2 command)	38	<u>L9</u>
<u>L8</u>	L7 not L3	46	<u>L8</u>
<u>L7</u>	L6 and telecommunicat\$4	49	<u>L7</u>
<u>L6</u>	L5 and ((switch near command) with generat\$3)	486	<u>L6</u>
<u>L5</u>	L4 and generat\$3	2422	<u>L5</u>
<u>L4</u>	"switch command"	3748	<u>L4</u>
<u>L3</u>	L1 and subset	17	<u>L3</u>
<u>L2</u>	L1 and ((generat\$3 or construct\$3 or build\$3) with command\$1)	16	<u>L2</u>
<u>L1</u>	(VERIZON near LABORATORIES) and (switch with command)	19	<u>L1</u>

END OF SEARCH HISTORY

1-2-3-4-5-6-7



[Subscribe](#) (Full Service) [Register](#) (Limited Service, Free) [Login](#)

Search: ☒ The ACM Digital Library ☐ The Guide

"verifying generated commands" + "switch command" + "corr

SEARCH

THE ACM DIGITAL LIBRARY



[Feedback](#) [Report a problem](#) [Satisfaction survey](#)

Terms used verifying generated commands switch command correspondence

Found 54 of 200,192

Sort results by

relevance ☒

[Save results to a Binder](#)

[Try an Advanced Search](#)

Display results

expanded form ☒

[Search Tips](#)

Try this search in [The ACM Guide](#)

☐ Open results in a new window

Results 1 - 20 of 54

Result page: [1](#) [2](#) [3](#) [next](#)

Relevance scale ☐ ☐ ☐ ☐ ☐

1 Systems 1: multi-camera systems: A real-time interactive multi-view video system



Jian-Guang Lou, Hua Cai, Jiang Li

November 2005 **Proceedings of the 13th annual ACM international conference on Multimedia MULTIMEDIA '05**

Publisher: ACM Press

Full text available: pdf(837.51 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

With the rapid development of electronic and computing technology, multi-view video is attracting extensive interest recently due to its greatly enhanced viewing experience. In this paper, we present the system architecture for real-time capturing, processing, and interactive delivery of multi-view video. Unlike previous systems that mainly focus on multi-view video capturing, our system is designed to provide multi-view video service with high degree of interactivity in real time, which is stil ...

Keywords: calibration, channel coding, multi-view video, object tracking, source coding, video coding, video streaming system

2 Research papers: formal specification and formal languages: Using SPIN to verify protocols at the implementation level



Dirk Bull, Pieter de Villiers

September 2002 **Proceedings of the 2002 annual research conference of the South African institute of computer scientists and information technologists on Enablement through technology SAICSIT '02**

Publisher: South African Institute for Computer Scientists and Information Technologists

Full text available: pdf(140.59 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

One way to improve the reliability of reactive systems is to use formal development methods. Although powerful techniques exist for verifying specifications, a remaining problem is to show that an implementation satisfies its specification. In this paper we describe a development method for improving the reliability of reactive systems, the main idea being to structure specifications as transition systems. In this way flow of control is formally separated from data manipulation which makes it pos ...

Keywords: SPIN, protocols, reactive systems

CTI in the corporate enterprise

James J. Wetterau

July 1998 **International Journal of Network Management**, Volume 8 Issue 4

Publisher: John Wiley & Sons, Inc.

Full text available:  [pdf\(96.49 KB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)

The goal of computer telephony integration ∥CTI) is to present information about the caller on a data screen, while the call is in progress. It has the potential to reduce the cost of customer contact, and improve the quality of customer service. So how, precisely, is this done? © 1998 John Wiley & Sons, Ltd.



4 A general approach for run-time specialization and its application to C



Charles Consel, François Noël

January 1996 **Proceedings of the 23rd ACM SIGPLAN-SIGACT symposium on Principles of programming languages POPL '96**

Publisher: ACM Press

Full text available:  [pdf\(1.20 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

5 Animating user interfaces using animation servers



Krishna Bharat, Piyawadee Noi Sukaviriya

December 1993 **Proceedings of the 6th annual ACM symposium on User interface software and technology UIST '93**

Publisher: ACM Press

Full text available:  [pdf\(1.21 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: CSCW, animation server, application state, context-sensitivity, extensible interfaces, multimedia, user interface animation


6 Regular papers: Finding structural correspondences from bilingual parsed corpus for corpus-based translation



Hideo Watanabe, Sadao Kurohashi, Eiji Aramaki

July 2000 **Proceedings of the 18th conference on Computational linguistics - Volume 2**

Publisher: Association for Computational Linguistics

Full text available:  [pdf\(711.51 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

In this paper, we describe a system and methods for finding structural correspondences from the paired dependency structures of a source sentence and its translation in a target language. The system we have developed finds word correspondences first, then finds phrasal correspondences based on word correspondences. We have also developed a GUI system with which a user can check and correct the correspondences retrieved by the system. These structural correspondences will be used as raw translati ...

7 Determining recurrent sound correspondences by inducing translation models



Grzegorz Kondrak

August 2002 **Proceedings of the 19th international conference on Computational linguistics - Volume 1**

Publisher: Association for Computational Linguistics

Full text available:  [pdf\(79.79 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

I present a novel approach to the determination of recurrent sound correspondences in bilingual wordlists. The idea is to relate correspondences between sounds in wordlists to


translational equivalences between words in bitexts (bilingual corpora). My method induces models of sound correspondence that are similar to models developed for statistical machine translation. The experiments show that the method is able to determine recurrent sound correspondences in bilingual wordlists in which less t ...

8 String-tree correspondence grammar: a declarative grammar formalism for defining the correspondence between strings of terms and tree structures ☐

Yusoff Zaharin

April 1987 **Proceedings of the third conference on European chapter of the Association for Computational Linguistics**

Publisher: Association for Computational Linguistics

Full text available:  [pdf\(490.41 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

 [Publisher Site](#)

The paper introduces a grammar formalism for defining the set of sentences in a language, a set of labeled trees (not the derivation trees of the grammar) for the representation of the interpretation of the sentences, and the (possibly non-projective) correspondence between subtrees of each tree and substrings of the related sentence. The grammar formalism is motivated by the linguistic approach (adopted at GETA) where a multilevel interpretative structure is associated to a sentence. The topolo ...


9 Semantic-based resource discovery, retrieval and composition (RDRC): An approach for identifying attribute correspondences in multilingual schemas ☐



Hongding Wang, Shiwei Tang, Yunhai Tong, Dongqing Yang

April 2006 **Proceedings of the 2006 ACM symposium on Applied computing SAC '06**

Publisher: ACM Press

Full text available:  [pdf\(142.74 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In this paper, we focus on a new problem in database integration---attribute correspondence identification in multilingual schemas, and give a rule-based method for the problem. Attribute correspondence identification in multilingual schemas involves the study of integrating schemas, designed in various languages, and returns the correspondences among those schemas. We first analyze the problem through two schemas of a large financial corporate of China. Based on the relationships of the attribu ...

Keywords: attribute correspondence identification, database integration, multilingual schemas


10 Correspondence polymorphism for object-oriented languages ☐



Ran Rinat, Menachem Magidor, Scott F. Smith

October 1999 **ACM SIGPLAN Notices , Proceedings of the 14th ACM SIGPLAN conference on Object-oriented programming, systems, languages, and applications OOPSLA '99**, Volume 34 Issue 10

Publisher: ACM Press

Full text available:  [pdf\(1.93 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In this paper we propose a new form of polymorphism for object-oriented languages, called correspondence polymorphism. It lies in a different dimension than either parametric or subtype polymorphism. In correspondence polymorphism, some methods are declared to correspond to other methods, via a correspondence relation. With this relation, it is possible to reuse non-generic code in various type contexts—not necessarily subtyping or matching contexts&m ...

11 Representation trees and string-tree correspondences ☐

Ch. Boitet, Y. Zaharin

August 1988 **Proceedings of the 12th conference on Computational linguistics - Volume 1**

Publisher: Association for Computational Linguistics

Full text available:  [pdf\(552.04 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

The correspondence between a string of a language and its abstract representation, usually a (decorated) tree, is not straightforward. However, it is desirable to maintain it, for example to build structured editors for texts written in natural language. As such correspondences must be compositional, we call them "Structured String-free Correspondences" (SSTC). We argue that a SSTC is in fact composed of two interrelated correspondences, one between nodes and substrings, and the other between sub ...

Keywords: discontinuous constituents, discontinuous phrase structure grammars, linguistic descriptors, structural correspondence static grammars, structured string-tree correspondences

12 Intelligent user interfaces for correspondence domains (panel session): moving IUIs off the desktop ☐



Christopher A. Miller, Christine Mitchell, Patty Lakinsmith, Reiner Onken, Robin Penner, Valerie Shalin

January 2000 **Proceedings of the 5th international conference on Intelligent user interfaces IUI '00**

Publisher: ACM Press

Full text available:  [pdf\(718.53 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)



This paper is about the elicitation of the requirements for an intelligent interface for a software test development environment that will accommodate the physically challenged (PC). This research explores the use of eye-tracking mechanisms and digital manipulative user interfaces that are especially enhanced for the PC. In addition these devices provide assistance for the knowledge elicitation phase for an Intelligent User Interface to such an environment. It was never a stated objective o ...

13 An algorithm for finding noun phrase correspondences in bilingual corpora ☐

Julian Kupiec

June 1993 **Proceedings of the 31st annual meeting on Association for Computational Linguistics**

Publisher: Association for Computational Linguistics

Full text available:  [pdf\(497.90 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)
 [Publisher Site](#)



The paper describes an algorithm that employs English and French text taggers to associate noun phrases in an aligned bilingual corpus. The taggers provide part-of-speech categories which are used by finite-state recognizers to extract simple noun phrases for both languages. Noun phrases are then mapped to each other using an iterative re-estimation algorithm that bears similarities to the Baum-Welch algorithm which is used for training the taggers. The algorithm provides an alternative to other ...

14 Translation by structural correspondences ☐

Ronald M. Kaplan, Klaus Netter, Jürgen Wedekind, Annie Zaenen

April 1989 **Proceedings of the fourth conference on European chapter of the Association for Computational Linguistics**

Publisher: Association for Computational Linguistics

Full text available:  [pdf\(865.13 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)
 [Publisher Site](#)

We sketch and illustrate an approach to machine translation that exploits the potential of simultaneous correspondences between separate levels of linguistic representation, as formalized in the LFG notion of codescriptions. The approach is illustrated with examples from English, German and French where the source and the target language sentence show noteworthy differences in linguistic analysis.

15 Papers: Extracting word correspondences from bilingual corpora based on word co-occurrences information ☐

Hiroyuki Kaji, Toshiko Aizono

August 1996 **Proceedings of the 16th conference on Computational linguistics - Volume 1**

Publisher: Association for Computational Linguistics

Full text available:  [pdf\(548.76 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

A new method has been developed for extracting word correspondences from a bilingual corpus. First, the co-occurrence information for each word in both languages is extracted from the corpus. Then, the correlations between the co-occurrence features of the words are calculated pairwise with the assistance of a basic word bilingual dictionary. Finally, the pairs of words with the highest correlations are output selectively. This method is applicable to rather small, unaligned corpora; it can ex ...

16 Special issue on ICML: Coupled clustering: a method for detecting structural correspondence ☐

Zvika Marx, Ido Dagan, Joachim M. Buhmann, Eli Shamir

March 2003 **The Journal of Machine Learning Research**, Volume 3

Publisher: MIT Press

Full text available:  [pdf\(967.15 KB\)](#) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

This paper proposes a new paradigm and a computational framework for revealing equivalencies (analogies) between sub-structures of distinct composite systems that are initially represented by unstructured data sets. For this purpose, we introduce and investigate a variant of traditional data clustering, termed *coupled clustering*, which outputs a configuration of corresponding subsets of two such representative sets. We apply our method to synthetic as well as textual data. Its achievement ...

17 Contributed papers: Restriction and correspondence-based translation ☐

Ronald M. Kaplan, Jürgen Wedekind

April 1993 **Proceedings of the sixth conference on European chapter of the Association for Computational Linguistics**

Publisher: Association for Computational Linguistics

Full text available:  [pdf\(769.02 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)



[Publisher Site](#)

Kaplan *et al.* (1989) present a framework for translation based on the description and correspondence concepts of Lexical-Functional Grammar (Kaplan and Bresnan, 1982). Certain phenomena, in particular the head-switching of adverbs and verbs, seem to be problematic for that approach. In this paper we suggest that these difficulties are more properly considered as the result of defective monolingual analyses. We propose a new description-language operator, restriction, to permit a succinct ...

18 A machine transliteration model based on correspondence between graphemes and phonemes ☐



Jong-Hoon Oh, Key-Sun Choi, Hitoshi Isahara

September 2006 **ACM Transactions on Asian Language Information Processing (TALIP)**, Volume 5 Issue 3

Publisher: ACM Press

Full text available:  pdf(445.63 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Machine transliteration is an automatic method for converting words in one language into phonetically equivalent ones in another language. There has been growing interest in the use of machine transliteration to assist machine translation and information retrieval. Three types of machine transliteration models---grapheme-based, phoneme-based, and hybrid---have been proposed. Surprisingly, there have been few reports of efforts to utilize the correspondence between source graphemes and source pho ...

Keywords: Machine transliteration, grapheme and phoneme, information retrieval, machine translation, natural language processing

19 [An efficient solution to the storage correspondence problem for large sequential circuits](#) ☐



Wanlin Cao, Duncan M. H. Walker, Rajarshi Mukherjee

January 2001 **Proceedings of the 2001 conference on Asia South Pacific design automation ASP-DAC '01**

Publisher: ACM Press

Full text available:  pdf(65.35 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Traditional state-traversal-based methods for verifying sequential circuits are computationally infeasible for circuits with a large number of memory elements. However, if the correspondence of the memory elements of the two circuits can be established, a difficult sequential verification problem can be transformed into an easier combinational verification problem. In this paper, we propose an approach that combines two complementary simulation-based methods for fast and accurate storage co ...


20 [Software process validation: quantitatively measuring the correspondence of a process to a model](#) ☐



Jonathan E. Cook, Alexander L. Wolf

April 1999 **ACM Transactions on Software Engineering and Methodology (TOSEM)**, Volume 8 Issue 2

Publisher: ACM Press

Full text available:  pdf(267.69 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

To a great extent, the usefulness of a formal model of a software process lies in its ability to accurately predict the behavior of the executing process. Similarly, the usefulness of an executing process lies largely in its ability to fulfill the requirements embodied in a formal model of the process. When process models and process executions diverge, something significant is happening. We have developed techniques for uncovering and measuring the discrepancies between models and executio ...

Keywords: balboa, process validation, software process, tools

Results 1 - 20 of 54

Result page: [1](#) [2](#) [3](#) [next](#)

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2007 ACM, Inc.
[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)

Useful downloads:  [Adobe Acrobat](#)  [QuickTime](#)  [Windows Media Player](#)  [Real Player](#)



[Subscribe \(Full Service\)](#) [Register \(Limited Service, Free\)](#) [Login](#)

Search: ☒ The ACM Digital Library ☐ The Guide

"verifying generated commands" + "switch command" + "corresponde..."

SEARCH

THE ACM DIGITAL LIBRARY



[Feedback](#) [Report a problem](#) [Satisfaction survey](#)

Terms used verifying generated commands switch command correspondence subset hash table portion switch identifier

Found 1 of 200,192

Sort results by

relevance



[Save results to a Binder](#)

[Try an Advanced Search](#)

Display results

expanded form



[Search Tips](#)

Try this search in [The ACM Guide](#)

☐ Open results in a new window

Results 1 - 1 of 1

Relevance scale ☐ ☐ ☐ ☐ ☐

1 [Snap-dragging in three dimensions](#)



Eric A. Bier

February 1990

ACM SIGGRAPH Computer Graphics , Proceedings of the 1990 symposium on Interactive 3D graphics SI3D '90, Volume 24 Issue 2

Publisher: ACM Press

Full text available: [pdf\(1.17 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

A large portion of the user interface in interactive solid modeling systems is devoted to the problem of placing and orienting objects in three dimensions. In particular, many operations must be provided for selecting control points, curves and surfaces, and for translating, rotating and scaling scene components into precise relationships with other scene components. By factoring these operations carefully, it is possible to provide the desired functionality so as to reduce both the size of the ...

Results 1 - 1 of 1

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2007 ACM, Inc.

[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)

Useful downloads: [Adobe Acrobat](#)

[QuickTime](#)

[Windows Media Player](#)

[Real Player](#)